

Bird Strike Mitigation System



Bird Strike Mitigation System detects and monitors birds near airports to help prevent the occurrence of bird strikes. The system instructs the bird patrol personnel to drive away the birds before an incident can occur.

Overview of Bird Strike Mitigation System

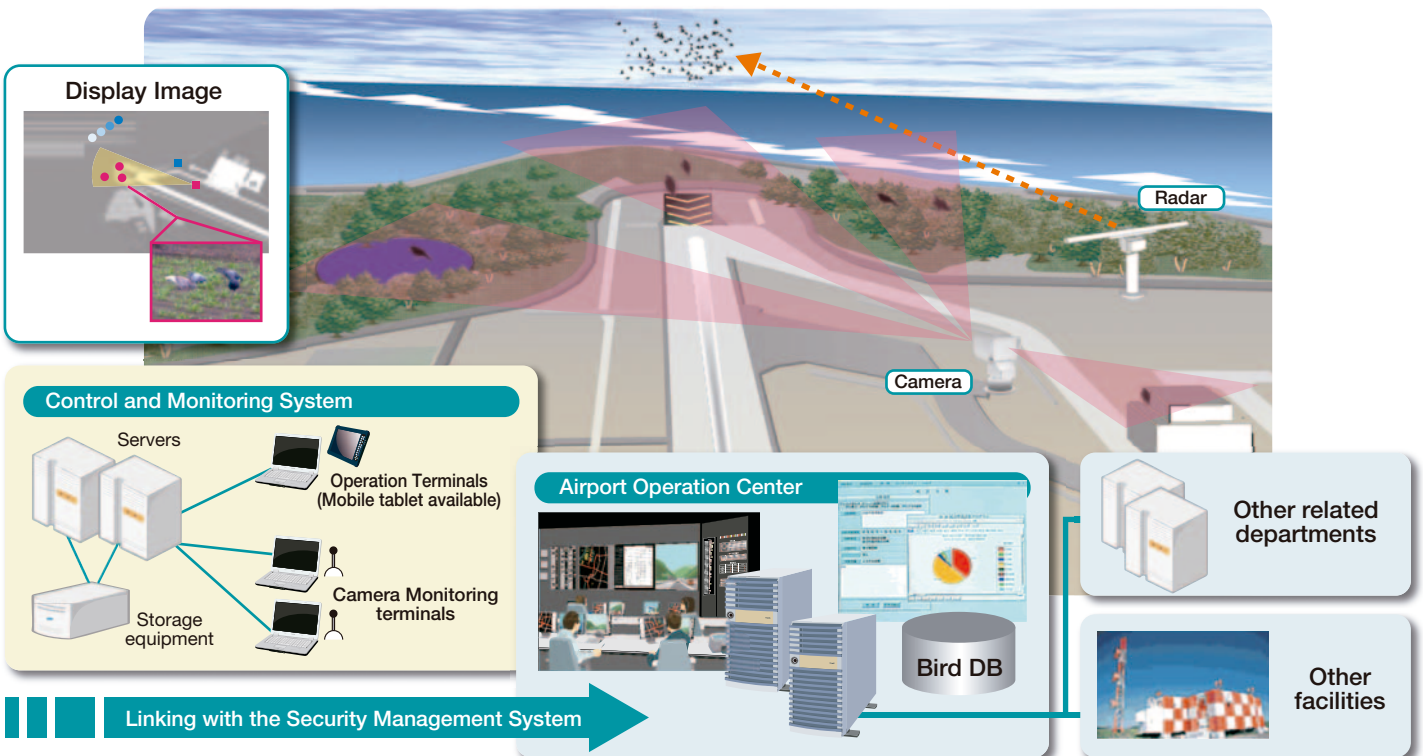
Tactical use

The system detects birds by using radar, camera, and image processing technology, and processes the detected information with a data processing device. Based on the detected information, the controller directs bird patrol personnel to drive away any birds and implements measures to mitigate a bird strike in real-time.

The system configuration of radars, cameras, and terminals enable a design that responds to the scale, needs, and other characteristics of a specific airport.

Strategic use

In addition, the detected data can be utilized in ecological surveys and preventative measures. It can also be used to contribute to improving long-term airport safety management through the sharing of information at the airport operation center as part of the security management system of the entire airport.



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Radar

A combination of S band radars and radar signal processing devices detects the location and flight direction of birds flying in the area around the airport.

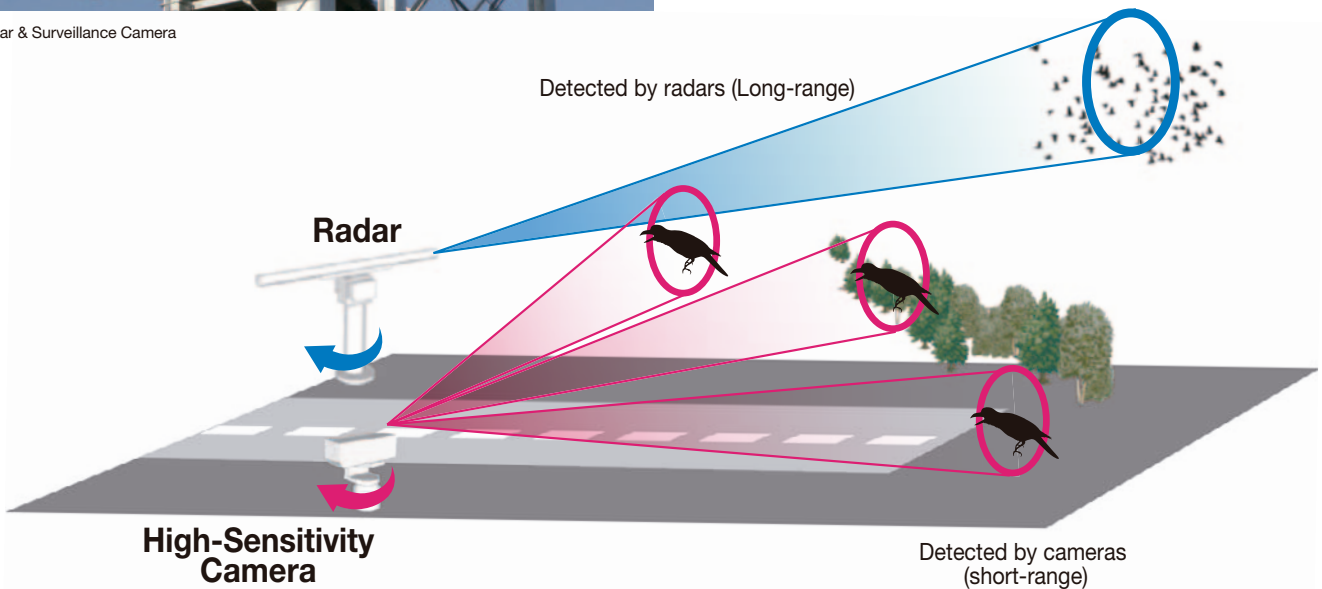
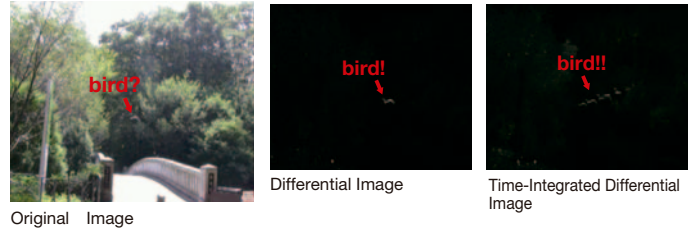


Radar & Surveillance Camera

Surveillance Camera

Surveillance cameras use image processing to automatically detect and display the location of birds in areas that cannot be detected by radar, such as birds moving on ground surfaces, near obstructions, and near takeoff and landing zones.

Detecting birds with camera image processing

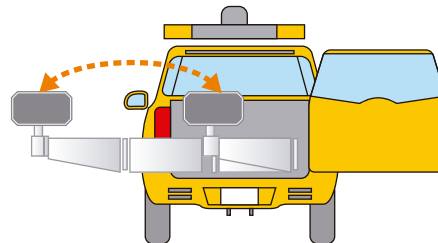


Option

- Tablet Terminal for patrollers



- Sound Deterrent System



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